

What is claimed is:

1. A skeleton for ear-shaped umbrella, comprising:

5 a shaft;

an upper hub fixedly connected to a top of said shaft;

10 a lower hub upward and downward slidably mounted on
said shaft;

multiple sets of rib members; and

15 an umbrella cover connected to and covering a top of
said multiple sets of rib members;

20 each set of said rib members including a main rib having
an inner end pivotally connected to said upper hub,
a first link fixedly connected to a near-middle point
on the main rib, and a stretcher having an inner end
and an outer end pivotally connected to said lower
hub and said first link, respectively;

25 at least two sets of said rib members that are
diametrically opposite to each other further
including:

a second link fixedly connected to a point near an outer end of said main rib;

5 a third link fixedly connected to the outer end of said main rib;

an elastic first ear-forming rib having an inner end connected to said second link;

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an elastic second ear-forming rib being pivotally connected at an outer end to an outer end of said first ear-forming rib, and at a near inner end to said third link; and

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a pull cord having an inner end tied to a point close to an outer end of said stretcher, and an outer end tied to an inner end of said second ear-forming rib.

20 2. The skeleton for ear-shaped umbrella as claimed in claim 1, wherein said stretcher is an open-topped U-sectioned member, and provided near the outer end with a through hole, via which said inner end of said pull cord is extended and knotted.

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3. The skeleton for ear-shaped umbrella as claimed in

claim 1, wherein said second ear-forming rib is provided at the inner end with an eye, via which said outer end of said pull cord is extended and knotted.

5 4. The skeleton for ear-shaped umbrella as claimed in claim 1, wherein said third link includes two lugs, on which two aligned through holes are provided, and said second ear-forming rib being provided at said near inner end with an eye; and said second ear-forming
10 rib and said third link being pivotally riveted together by a rivet extended through said eye at the near inner end of said second ear-forming rib and said through holes on said lugs of said third link.

15 5. The skeleton for ear-shaped umbrella as claimed in claim 1, wherein said second link includes a pair of lugs, each of which is provided with a through hole, and said first ear-forming rib being provided at the inner end with an eye; and said first ear-forming rib
20 and said second link being pivotally riveted together by a rivet extended through said eye at the inner end of said first ear-forming rib and said through holes on said lugs of said second link; and each of said lugs of said second link being also provided with a stop-pin hole, via which a stop pin is extended; and
25 said inner end of said first ear-forming rib being

extended between said two lugs of said second link
below said stop pin before being pivotally riveted
to said second link, so that a direction in which said
first ear-forming rib is extended is limited by said
stop pin.

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6. The skeleton for ear-shaped umbrella as claimed in
claim 1, wherein said second link is an open-bottomed
member having an upward protruded hollow ridge portion,
10 at a predetermined position of which a slot is provided;
and wherein said first ear-forming rib is provided
at the inner end with a radially projected bent; and
said inner end of said first ear-forming rib being
connected to said second link by extending said inner
15 end through said hollow ridge portion with said bent
on said first ear-forming rib engaged with and
projected from said slot on said hollow ridge portion,
so that a direction in which said first ear-forming
rib is extended is limited by said hollow ridge portion
20 that extends by a certain length.

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7. A skeleton for ear-shaped umbrella, comprising:

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a shaft;
an upper hub fixedly connected to a top of said shaft;

a lower hub upward and downward slidably mounted on said shaft;

5 multiple sets of rib members; and

an umbrella cover connected to and covering a top of said skeleton;

10 each set of said rib members including a main rib having an inner end pivotally connected to said upper hub, a first link fixedly connected to a near-middle point on the main rib, and a stretcher having an inner end and an outer end pivotally connected to said lower hub and said first link, respectively;

15 at least two sets of said rib members that are diametrically opposite to each other further including:

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a second link fixedly connected to a point near an outer end of said main rib;

25 an elastic first ear-forming rib having an inner end connected to said second link; and

a pull cord having an inner end tied to a point close to an outer end of said stretcher, and an outer end tied to an outer end of said first ear-forming rib.

5 8. The skeleton for ear-shaped umbrella as claimed in claim 7, wherein said stretcher is an open-topped U-sectioned member, and provided near the outer end with a through hole, via which said inner end of said pull cord is extended and knotted.

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9. The skeleton for ear-shaped umbrella as claimed in claim 7, wherein said first ear-forming rib is provided at the outer end with an eye, via which said outer end of said pull cord is extended and knotted.

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10. The skeleton for ear-shaped umbrella as claimed in claim 7, wherein said second link includes a pair of lugs, each of which is provided with a through hole, and said first ear-forming rib being provided at the inner end with an eye; and said first ear-forming rib and said second link being pivotally riveted together by a rivet extended through said eye at the inner end of said first ear-forming rib and said through holes on said lugs of said second link; and each of said lugs of said second link being also provided with a stop-pin hole, via which a stop pin is extended; and

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5 said inner end of said first ear-forming rib being extended between said two lugs of said second link below said stop pin before being pivotally riveted to said second link, so that a direction in which said
first ear-forming rib is extended is limited by said
stop pin.

10 11. The skeleton for ear-shaped umbrella as claimed in claim 7, wherein said second link is an open-bottomed member having an upward protruded hollow ridge portion, at a predetermined position of which a slot is provided; and wherein said first ear-forming rib is provided at the inner end with a radially projected bent; and
15 said inner end of said first ear-forming rib being connected to said second link by extending said inner end through said hollow ridge portion with said bent on said first ear-forming rib engaged with and projected from said slot on said hollow ridge portion, so that a direction in which said first ear-forming
rib is extended is limited by said hollow ridge portion
20 that extends by a certain length.

25 12. The skeleton for ear-shaped umbrella as claimed in claim 7, wherein each of said two diametrically opposite sets of rib members including said second link, said first ear-forming rib, and said pull cord

further includes:

a fourth link fixedly connected to a near-middle point
of said stretcher;

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a fifth link fixedly connected to said main rib between
said first and said second link;

10 a third ear-forming rib being pivotally connected at
an inner end to said fourth link; and

a fourth ear-forming rib being pivotally connected
at an inner end to said fifth link, and at an outer
end to an outer end of said third ear-forming rib.

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